



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.:

Activity No.: PER20050001

Agency Interest No.: 8055

LTC Clyde Guidry
Facility Manager
Louisiana Army National Guard
Gillis W. Long Center
5445 Point Clair Road
Carville, Louisiana 70721

RE: Permit, State of Louisiana Military - Gillis W Long Center, State of Louisiana Military
Carville, Iberville Parish, Louisiana

Dear LTC Guidry:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 1280-00022-00

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary

CCB:sbp

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

State of Louisiana Military - Gillis W Long Center
Agency Interest No.: 8055
State of Louisiana Military
Carville, Iberville Parish, Louisiana

I. BACKGROUND

The State of Louisiana Military - Gillis W Long Center (GWLC) is an existing Louisiana State Military facility located on Louisiana State Highway 141, near Carville, Louisiana on the east bank of the Mississippi River. The facility is a 350 acre complex encompassing approximately 80 buildings formerly used for the U. S. Dept. of Health, Hansen's Disease Center. The State of Louisiana Military proposes to permit this facility. This is the initial permit.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated August 15, 2005, were received requesting a permit. Additional information dated April 26, 2006, was also received.

III. DESCRIPTION

The GWLC houses the Louisiana Army National Guard Youth Challenge and Job Challenge programs for at-risk youths along with two armories. The primary emission sources at the GWLC include two 20.41 MMBtu/hr natural-gas (primary) or diesel (secondary) fired boilers, two 1,250 kW diesel fired generators, a 2,000 gallon gasoline storage tank, and a 12,000 gallon diesel storage tank. The facility also contains several small boilers, heaters, generators, and storage tanks as insignificant activities.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Emissions
PM ₁₀	2.65
SO ₂	9.98
NO _x	45.00
CO	16.25
VOC ¹	1.58

¹VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions
Acetaldehyde	0.004
Benzene	0.005
Formaldehyde	0.048
Naphthalenes (and Methyl naphthalenes)	0.002
Total TAP's	0.059
Other VOC's	1.521
Total VOC	1.580

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

State of Louisiana Military - Gillis W Long Center
Agency Interest No.: 8055
State of Louisiana Military
Carville, Iberville Parish, Louisiana

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <<DATE>>; and in <<Local Newspaper>>, <<City>>, on <<DATE>>. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <<DATE>>.

VI. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: None

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Schedule	Emission Rates - tons			
		PM ₁₀	SO ₂	NO _X	CO
-	-	-	-	-	-

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
33A-B1	Bldg 33A Boiler # 1, 2.1 MMBtu/hr	LAC 33:III.501.B.5.A.1.
125-B1	Bldg 125 Boiler # 1, 1.75 MMBtu/hr	LAC 33:III.501.B.5.A.1.
125-B2	Bldg 125 Boiler # 2, 1.75 MMBtu/hr	LAC 33:III.501.B.5.A.1.
1-H1	Bldg 1 Water Heater PVI # 1, 1.6 MMBtu/hr	LAC 33:III.501.B.5.A.1.
1-H2	Bldg 1 Water Heater PVI # 2, 1.6 MMBtu/hr	LAC 33:III.501.B.5.A.1.
JC-T8	Tank #8 (Job Corps Diesel Storage), 200 gallons	LAC 33:III.501.B.5.A.2.
34-T1	Tank #1 (Bldg 34 Diesel Storage), 2,000 gallons	LAC 33:III.501.B.5.A.3.

AIR PERMIT BRJEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

State of Louisiana Military - Gillis W Long Center
Agency Interest No.: 8055
State of Louisiana Military
Carville, Iberville Parish, Louisiana

123-T2	Tank #2 (Bldg 123 Diesel Storage), 1,000 gallons	LAC 33:III.501.B.5.A.3.
37-T6	Tank #6 (Bldg 37 Diesel Storage), 500 gallons	LAC 33:III.501.B.5.A.3.
G/JC-17	Tank #7 Grounds/JCP Diesel Storage), 8,000	LAC 33:III.501.B.5.A.3.
1-H3	Bldg 1 Booster Heater PVI # 3, 0.6 MMBtu/hr	LAC 33:III.501.B.5.A.5.
33A-B2	Bldg 33A Boiler # 2, 0.63 MMBtu/hr	LAC 33:III.501.B.5.A.5.
33A-D1	Bldg 33A Dryer # 1, 0.38 MMBtu/hr	LAC 33:III.501.B.5.A.5.
33A-D2	Bldg 33A Dryer # 2, 0.38 MMBtu/hr	LAC 33:III.501.B.5.A.5.
33A-D3	Bldg 33A Dryer # 3, 0.38 MMBtu/hr	LAC 33:III.501.B.5.A.5.
33A-D4	Bldg 33A Dryer # 4, 0.38 MMBtu/hr	LAC 33:III.501.B.5.A.5.
1-EG1	Bldg 1 Emergency Generator # 1	LAC 33:III.501.B.5.D.
33A-EG4	Bldg 33A Emergency Generator # 4	LAC 33:III.501.B.5.D.
34-EG1	Bldg 34 Emergency Generator # 1	LAC 33:III.501.B.5.D.
37-EG5	Bldg 37 Emergency Generator # 5	LAC 33:III.501.B.5.D.
123-EG2	Bldg 123 Emergency Generator # 2	LAC 33:III.501.B.5.D.
125-EG1	Bldg 125 Emergency Generator # 1	LAC 33:III.501.B.5.D.
P-EG1	Portable Emergency Generator # 1	LAC 33:III.501.B.5.D.
JC-EG1	Job Corps Emergency Generator # 1	LAC 33:III.501.B.5.D.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated August 15, 2005, along with supplemental information dated April 26, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 8055 State of Louisiana Military - Gillis W Long Center
 Activity Number: PER20050001
 Permit Number: 1280-00022-00
 Air - Minor (Synthetic) Initial

Also Known As:	ID	Name	User Group	Start Date
	1280-00022	State of Louisiana Military/Gillis W Long Center	CDS Number	08-05-2002
72-0411408		State of Louisiana Military - Gillis W Long Center	Federal Tax ID	11-21-1999
LA3750303882		USDHHS Gillis W Long Hansen's Disease Center	Hazardous Waste Notification	12-28-1987
01815		USDHHS Landfills	Inactive & Abandoned Sites	08-20-1998
01815		Gillis W Long Hansen's Disease Center	Inactive & Abandoned Sites	08-20-1998
LA0020311		WPC File Number	LPDES Permit #	05-22-2003
LAR10B972		LPDES #	LPDES Permit #	09-18-2002
WP1558		WPC State Permit Number	LWDPS Permit #	06-25-2003
		Hurricane Katrina Response Related Facility	Other	12-29-2005
		Radiation General License	Radiation Licenses Number	12-12-2001
	11652	Gillis W Long Hansen's Disease Center	TEMPO Merge	03-13-2001
	43765	USDHH	TEMPO Merge	03-13-2001
	8048	Gillis W Long Hansen's Disease Center	TEMPO Merge	03-13-2001
	8122	Gillis W Long Hospital	TEMPO Merge	10-16-2001
	9847	Gillis W Long Hansen's Disease Center	TEMPO Merge	08-11-2002
	1097	UST Case History Case Number	Underground Storage Tanks	11-21-1999
	24004643	UST Facility ID #	Underground Storage Tanks	10-11-2002
Physical Location:			Main Phone:	2256424792
Mailing Address:				
Location of Front Gate:		30° 11' 43" 98 hundredths latitude, 91° 7' 33" 55 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Clyde Guidry Liz Wright	5445 Point Clair Rd Carville, LA 70721	2256424770 (WP)	Responsible Official for Underground Storage Tank Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	CRA Services G&E Engineering Division	4915 S Sherwood Forest Blvd Baton Rouge, LA 70816	9852923614 (WF)	Provides environmental services for
	CRA Services G&E Engineering Division	4915 S Sherwood Forest Blvd Baton Rouge, LA 70816	9852929007 (WP)	Provides environmental services for
	State of Louisiana Military	LANG-CFM-EM Pineville, LA 71360		Radiation License Billing Party for
	State of Louisiana Military	LANG-CFM-EM Pineville, LA 71360		Water Billing Party for
	State of Louisiana Military	LANG-CFM-EM Pineville, LA 71360		UST Billing Party for

General Information

AI ID: 8055 State of Louisiana Military - Gillis W Long Center
Activity Number: PER20050001
Permit Number: 1280-00022-00
Air - Minor (Synthetic) Initial

Related Organizations:	Name	Address	Phone (Type)	Relationship
	State of Louisiana Military	LANG-CFM-EM Pineville, LA 71360		Haz. Waste Billing Party for
	State of Louisiana Military	LANG-CFM-EM Pineville, LA 71360		Air Billing Party for
SIC Codes:	8331, Job training and related services			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 8055 - State of Louisiana Military - Gillis W Long Center
 Activity Number: PER20050001
 Permit Number: 1280-00022-00
 Air - Minor (Synthetic) Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT006	1-B1 Building 1 Boiler #1		20.41 MM BTU/hr	20.41 MM BTU/hr		8760 hr/yr (All Year)
EQT007	1-B2 Building 1 Boiler #2		20.41 MM BTU/hr	20.41 MM BTU/hr		8760 hr/yr (All Year)
EQT008	1-G1 Building 1 Generator #1		1850 horsepower	1850 horsepower	(None Specified)	(None Specified)
EQT009	1-G2 Building 1 Generator #2		1850 horsepower	1850 horsepower	(None Specified)	(None Specified)
EQT010	1-T4 Tank #4 (Ground MoGas Storage)	2000 gallons	42100 gallons/yr	42100 gallons/yr	Gasoline	8760 hr/yr (All Year)
EQT011	1-T5 Tank #5 (Building 1 Diesel Storage)	12000 gallons	252600 gallons/yr	252600 gallons/yr	Diesel	8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Generator Emissions CAP	EQT8 1-G1 Building 1 Generator #1
GRP001	Generator Emissions CAP	EQT9 1-G2 Building 1 Generator #2
GRP002	Entire Facility	EQT6 1-B1 Building 1 Boiler #1
GRP002	Entire Facility	EQT7 1-B2 Building 1 Boiler #2
GRP002	Entire Facility	EQT8 1-G1 Building 1 Generator #1
GRP002	Entire Facility	EQT9 1-G2 Building 1 Generator #2
GRP002	Entire Facility	EQT10 170-T4 Tank #4 (Ground MoGas Storage)
GRP002	Entire Facility	EQT11 1-T5 Tank #5 (Building 1 Diesel Storage)

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT006	1-B1 Building 1 Boiler #1	11.3	2128	2	27	425
EQT007	1-B2 Building 1 Boiler #2	11.3	2128	2	27	425
EQT008	1-G1 Building 1 Generator #1	213	6980	.83	15	1000
EQT009	1-G2 Building 1 Generator #2	213	6980	.83	15	1000
EQT010	170-T4 Tank #4 (Ground MoGas Storage)					
EQT011	1-T5 Tank #5 (Building 1 Diesel Storage)					

Fee Information:

Subj Item Id	Multipier	Units Of Measure	Fee Desc
GRP002	1000	\$ New App	1710 - Negotiated Fee

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 8055 - State of Louisiana Military - Gillis W Long Center
 Activity Number: PER20050001
 Permit Number: 1280-00022-00
 Air - Minor (Synthetic) Initial

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr
EQT 006 1-B1	0.29	0.35	1.28	1.04	1.24	4.54	2.92	3.50	12.79	1.68	2.02
EQT 007 1-B2	0.29	0.35	1.28	1.04	1.24	4.54	2.92	3.50	12.79	1.68	2.02
EQT 008 1-G1	0.29				2.89			62.16			4.89
EQT 009 1-G2	0.29				2.89			62.16			4.89
EQT 010 170-T4											
EQT 011 1-T5											
GRP 001 Gen CAP	0.24		0.09	2.41		0.90	51.80		19.42	2.08	1.53
											0.49
											0.18

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 2.65 tons/yr
 SO2: 9.98 tons/yr
 NOx: 45.00 tons/yr
 CO: 16.25 tons/yr
 VOC: 1.58 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 8055 - State of Louisiana Military - Gillis W Long Center
 Activity Number: PER20050001
 Permit Number: 1280-00022-00
Air - Minor (Synthetic) Initial

All phases

Subject Item	Acetaldehyde			Benzene			Formaldehyde			Naphthalene (and Methyl naphthalenes)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 006 1-B1				< 0.001	< 0.001	< 0.001	0.005	0.006	0.021	< 0.001	< 0.001	0.001
EQT 007 1-B2				< 0.001	< 0.001	< 0.001	0.005	0.006	0.021	< 0.001	< 0.001	0.001
EQT 008 1-G1	0.012				0.014			0.018				
EQT 009 1-G2	0.012				0.014			0.018				
GRP 001 Gen CAP	0.010		0.004	0.012		0.005	0.015		0.006			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Acetaldehyde: 0.004 tons/yr
 Benzene: 0.005 tons/yr
 Formaldehyde: 0.048 tons/yr
 Naphthalene (and Methyl naphthalenes): 0.002 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 8055 - State of Louisiana Military - Gillis W Long Center
Activity Number: PER20050001
Permit Number: 1280-00022-00
Air - Minor (Synthetic) Initial

EQT006 1-B1 Building 1 Boiler #1

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 2 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.13.13.C]
- 3 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT007 1-B2 Building 1 Boiler #2

- 4 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 5 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.13.13.C]
- 6 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 7 Fuel sulfur content <= 0.5 % by weight. Comply with this limitation at all times, including periods of startup, shutdown, and malfunction. Subpart Dc. [40 CFR 60.42c(d)]
Which Months: All Year Statistical Basis: None specified
- 8 Conduct the performance tests required under 40 CFR 60.8 to demonstrate compliance with the SO2 standards following the procedures specified in 40 CFR 60.44c, except as provided in 40 CFR 60.8(h). Subpart Dc. [40 CFR 60.44c(a)]
- 9 Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction, anticipated startup, and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable. Subpart Dc. [40 CFR 60.48c(a)]
- 10 Submit the performance test data from the initial and any subsequent performance tests, and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in 40 CFR 60 Appendix B. Subpart Dc. [40 CFR 60.48c(b)]
- 11 Submit reports: Due semiannually, by the 30th day following the end of the reporting period. Submit reports as required in 40 CFR 60.48c(d). Include the information specified in 40 CFR 60.48c(e)(1) through (e)(11). Subpart Dc. [40 CFR 60.48c(e)]
- 12 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 60.48c(e)(1) through (e)(11). Subpart Dc. [40 CFR 60.48c(e)]
- 13 Include in the fuel supplier certification required in 40 CFR 60.48c(e)(11) the information specified in 40 CFR 60.48c(f)(1) through (f)(3). Subpart Dc. [40 CFR 60.48c(f)]
- 14 Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. If only very low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 0.32 lb/MMBTu (140 ng/l) heat input or less is burnt, keep records of the fuels combusted during each calendar month. Subpart Dc. [40 CFR 60.48c(g)]
- 15 Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]

EQT008 1-G1 Building 1 Generator #1

SPECIFIC REQUIREMENTS

AI ID: 8055 - State of Louisiana Military - Gillis W Long Center
Activity Number: PER20050001
Permit Number: 1280-0022-00
Air - Minor (Synthetic) Initial

EQT008 1-G1 Building 1 Generator #1

16 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.13.II.C]

Which Months: All Year Statistical Basis: Six-minute average

17 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT009 1-G2 Building 1 Generator #2

18 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.13.II.C]

Which Months: All Year Statistical Basis: Six-minute average

19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT010 17-T4 Tank #4 (Ground MoGas Storage)

20 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

21 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H.3]

22 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

GRP001 Generator Emissions CAP

23 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

24 Operating time <= 750 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total combined operating time for both generators exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

25 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total combined operating time for both generators each month, as well as the total combined operating time for both generators for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

26 Submit report: Due annually, by the 31st of March. Report the total combined operating time for both generators for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

GRP002 Entire Facility

27 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

28 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

SPECIFIC REQUIREMENTS

AI ID: 8055 - State of Louisiana Military - Gillis W Long Center
Activity Number: PER20050001
Permit Number: 1280-00022-00
Air - Minor (Synthetic) Initial

GRP002 Entire Facility

- 29 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 30 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 31 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 32 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only). [LAC 33:III.501.C.6]
- 33 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only). [LAC 33:III.501.C.6]
- 34 Carbon monoxide <= 16.25 tons/yr. [LAC 33:III.501.C.6]
- 35 Nitrogen oxides <= 45.00 tons/yr. [LAC 33:III.501.C.6]
- 36 Particulate matter: All Year Statistical Basis: Annual maximum Which Months: All Year Statistical Basis: Annual maximum
- 37 Sulfur dioxide <= 9.98 tons/yr. [LAC 33:III.501.C.6]
- 38 Acetaldehyde <= 0.004 tons/yr. [LAC 33:III.501.C.6]
- 39 Benzene <= 0.005 tons/yr. [LAC 33:III.501.C.6]
- 40 Formaldehyde <= 0.048 tons/yr. [LAC 33:III.501.C.6]
- 41 Naphthalene (and Methyl naphthalenes) <= 0.002 tons/yr. [LAC 33:III.501.C.6]
- 42 VOC, Total <= 1.58 tons/yr. [LAC 33:III.501.C.6]
- 43 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 44 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 45 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]